

## EAST Search History

S5	0	(inductance same filter\$3 same capacitance) and ((\$2pulse near3 generat\$4) same (spectral\$4 near3 filter\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:54
S6	0	(inductance same filter\$3 same capacitance) and ((\$2pulse near3 generat\$4) same (uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:53
S7	10	(induct\$5 same filter\$3 same capacit\$4) and ((\$2pulse near3 generat\$4) same (uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 15:56
S8	7043	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/02 14:53
S10	29	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) same (FET (field near4 effect) same filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/16 18:20
S11	0	"10/644093"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 14:31
S12	2	"6026125".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/03 14:31
S15	2	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) same (FET (field near4 effect) same filter\$4) same drain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:50
S16	60	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (FET (field near4 effect) same filter\$4) same drain	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:36
S17	8	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (inductor near5 section)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:28

## EAST Search History

S18	1	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and ((inductor near5 section) same (filter\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:42
S19	2	"6026125".pn. and (capacit\$4 same center\$1 bandwidth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:43
S20	0	"6026125".pn. and (capacit\$4 same (center\$1 bandwidth))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:43
S21	1	"6026125".pn. and (capacit\$4 and (center\$1 bandwidth))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 15:43
S22	12	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (singl\$4 near4 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/05 18:30
S23	313	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (inductor and (gat\$4 switch\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 09:38
S24	21	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) same (inductor and (gat\$4 switch\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 10:20
S25	38	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) adj pulse)and (inductor and (gat\$4 switch\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 09:38

## EAST Search History

S26	30	("2671896"   "3662316"   "3806795"   "4577168"   "4613978"   "4635005"   "5325204"   "5337054"   "5345471"   "5426618"   "5677927"   "5872540"   "5901172"   "6021322"   "6026125"   "6185418"   "6215359"   "6304623"   "6351246"   "6400963"   "6438360"   "6501942"   "6505032"   "6556621"   "6700939"   "6735238"   "6751202").PN. OR ("7006553").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 10:09
S27	4	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (dissipat\$4 near5 energy near6 antenna)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 10:20
S28	153	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and ((resonant\$ resonat\$4 ) near4 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 14:11
S29	15	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) with transmitter ) and ((resonant\$ resonat\$4 ) near4 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 14:16
S30	138	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 switch\$4) and ((resonant\$ resonat\$4 ) near4 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:07
S31	45	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) same transmitter ) and (gat\$4 switch\$4) and ((resonant\$ resonat\$4 ) near4 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/06 14:24
S32	5	(bpf (band\$5 near3 filter\$3)) with (series adj induct\$5) with (shunt adj capacit\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:59
S33	0	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 switch\$4) and (((resonant\$ resonat\$4 ) near4 circuit) same (series adj induct\$5) same (shunt adj capacit\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:04

## EAST Search History

S34	50	((((resonant\$ resonat\$4 ) near4 circuit) same (series adj induct\$5) same (shunt adj capacit\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:04
S35	0	((((resonant\$ resonat\$4 ) near4 circuit) same (series adj induct\$5) same (shunt adj capacit\$5)) and ((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:04
S36	0	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) and (gat\$4 switch\$4) and ((resonant\$ resonat\$4 ) near4 circuit) and S34	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:07
S37	0	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) same (gat\$4 switch\$4) same ((resonant\$ resonat\$4 ) near4 circuit)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:31
S38	825	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) and ((gat\$4 switch\$4) same ( ((resonant\$ resonat\$4 ) near4 circuit)) induct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:22
S39	126	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) same ((gat\$4 switch\$4) same ( ((resonant\$ resonat\$4 ) near4 circuit)) induct\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:24
S40	126	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) same (((gat\$4 switch\$4) same ( ((resonant\$ resonat\$4 ) near4 circuit)) induct\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:24
S41	26	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) same (((gat\$4 switch\$4) same ( ((resonant\$ resonat\$4 ) near4 circuit) induct\$4 ) ))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:25
S42	0	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) with (series adj induct\$5) with (shunt adj capacit\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:31
S43	0	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band)))) ) same (series adj induct\$5) same (shunt adj capacit\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:31

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S44	11	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and ((series adj induct\$5) same (shunt adj capacit\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:32
S45	102	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 switch\$4) and ((resonant\$ resonat\$4 ) near4 circuit) and load	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:53
S46	87	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 fet (field near2 effect)) and ((resonant\$ resonat\$4 ) near4 circuit) and load	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:54
S47	4	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and ((gat\$4 fet (field near2 effect)) same ((resonant\$ resonat\$4 ) near4 circuit) same load)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:00
S48	7078	(bpf (band\$5 near3 filter\$3)) with ((resonan\$2) lc)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 05:59
S49	6227	(bpf (band\$5 near3 filter\$3)) with ((resonan\$2) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:00
S50	20	(bpf (band\$5 near3 filter\$3)) with ((resonan\$2) ) and ((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:00
S51	17	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 fet (field near3 effect)) and ((resonant\$ resonat\$4 ) near4 circuit near4 series)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:07
S52	19	((uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) ) and (gat\$4 fet (field near3 effect)) and ((resonan\$4 resonat\$4) near4 circuit near4 series)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:21
S53	2	"4540954".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:23

## EAST Search History

S54	1	(singly near3 terminat\$5) with (resonan\$4 resonat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 06:28
S55	4	(singly near3 terminat\$5) same (resonan\$4 resonat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 08:06
S56	4	"613950".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 08:06
S57	2	"6130590".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/09 08:06
S58	1397	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) near4 ((induct\$5 near5 capacit\$4) LC (L\$1C))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 11:25
S59	139	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) near4 ((induct\$5 near5 capacit\$4) LC (L\$1C)) and ((pulse spectral) near4 shap\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 12:02
S60	78	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) near4 ((induct\$5 near5 capacit\$4) LC (L\$1C)) and ((pulse spectral) near4 shap\$4) and ((wide\$1band) uwb (wide adj band) (short adj pulse) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 11:28
S61	214	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) near4 ((induct\$5 near5 capacit\$4) LC (L\$1C)) near4 reson\$7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 11:29
S62	29	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) near4 ((induct\$5 near5 capacit\$4) LC (L\$1C)) near4 reson\$7) and ((wide\$1band) uwb (wide adj band) (short adj pulse) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 11:36

## EAST Search History

S63	49	((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) same ((series near2 induct\$5) same (shunt near2 capacit\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 11:51
S65	187	((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) with ((series near2 induct\$5) with (shunt near2 capacit\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 12:02
S66	403	((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) near4 (instead (replac\$4 (in near2 place))) near4 (((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 12:09
S67	35	((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) near4 (instead (replac\$4 (in near2 place))) near4 (((band\$1pass (band\$1 near2 pass))near3 filter\$4) bpf) and (wideband uwb)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 13:42
S68	187	((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) with ((series near2 induct\$5) with (shunt near2 capacit\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:01
S69	5	((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) with ((series near2 induct\$5) with (shunt near2 capacit\$4) ) with ladder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:01
S70	104	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (switch\$4 with (gat\$4 FET (field near3 effect))) and resonant	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:31
S71	10	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and ((switch\$4 with (gat\$4 FET (field near3 effect))) same resonant)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:29
S72	1	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (switch\$4 with (gat\$4 FET (field near3 effect))) and resonant and (singl\$3 near4 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:33

## EAST Search History

S73	0	(uwb ultrawideband (ultra\$1 adj ((wide\$1 adj band) wide\$1band))) and (switch\$4 with (gat\$4 FET (field near3 effect))) and ((resonant filter\$4) same (singl\$3 near4 terminat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:36
S74	2	(uwb ultrawideband ( ((wide\$1 adj band) wide\$1band))) and (switch\$4 with (gat\$4 FET (field near3 effect))) and ((resonant filter\$4) same (singl\$3 near4 terminat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:50
S75	150120	((resonant filter\$4) near2 ((low\$1 adj pass) lpf low\$1pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 14:52
S76	118	((resonant) near2 ((low\$1 adj pass) lpf low\$1pass))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:18
S77	0	((resonant) near2 ((low\$1 adj pass) lpf low\$1pass)) same (singl\$1 near3 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:19
S78	12	((resonant) ) same (singl\$1 near3 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:21
S79	71	((filter\$4) ) with (singl\$1 near3 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:22
S80	8	((((low\$1pass (low\$1 near2 pass))near3 filter\$4) lpf) with (singl\$1 near3 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:25
S81	1	"6052039".pn. and (singl\$1 near3 terminat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:25



## EAST Search History

S82	62588	((transistor fet ) with (on off) with (current))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:49
S83	4	((transistor fet ) with (on off) with (current)) and tranmitter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:49
S84	3429	((transistor fet ) with (on off) with (current)) and transmitter	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:50
S85	564	((transistor fet ) with (on off) with (current)) and "375".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:50
S86	68	((transistor fet ) with (on off) with (current)) and 375/295,296,297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:50
S87	0	((transistor fet ) with (on off) with (current)) same (zero near3 cross\$4) and 375/295,296,297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:51
S88	338	((transistor fet ) with (on off) with (current)) same (zero near3 cross\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:52
S89	2	((transistor fet ) with (on off) with (current)) same (zero near3 cross\$4) and "375".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:53
S90	0	((transistor fet ) with (on off) with (current)) same (zero near3 cross\$4) and "455".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 13:53
S91	23	((transistor fet ) near4 (on off) near4 (current)) near4 (zero near3 cross\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 15:03

## EAST Search History

S92	1	10/183593	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 16:39
S93	3	"7110485".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 16:39